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- Capitalize proper nouns to search for specific people, places, or products.

John Colter, Netscape Navigator

- Enclose a phrase in double quotes to search for that exact phrase.

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Relevance scale 

1 Undergraduate embedded system education at Carnegie Mellon 

 Philip Koopman, Howie Choset, Rajeev Gandhi, Bruce Krogh, Diana Marculescu, Priya Narasimhan, Joann M. Paul, Ragunathan Rajkumar, Daniel Siewiorek, Asim Smailagic, Peter Steenkiste, Donald E. Thomas, Chenxi Wang

August 2005 **ACM Transactions on Embedded Computing Systems (TECS)**, Volume 4 Issue 3

Publisher: ACM Press

Full text available:  [pdf\(162.46 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Embedded systems encompass a wide range of applications, technologies, and disciplines, necessitating a broad approach to education. We describe embedded system coursework during the first 4 years of university education (the U.S. undergraduate level). Embedded application curriculum areas include: small and single-microcontroller applications, control systems, distributed embedded control, system-on-chip, networking, embedded PCs, critical systems, robotics, computer peripherals, wireless data ...

Keywords: Embedded systems education, curriculum

2 Programming languages and architectures: Active rules for sensor databases 

 M. Zoumboulakis, G. Roussos, A. Poulovassilis

August 2004 **Proceedings of the 1st international workshop on Data management for sensor networks: in conjunction with VLDB 2004 DMSN '04**

Publisher: ACM Press

Full text available:  [pdf\(372.60 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Recent years have witnessed a rapidly growing interest in query processing in sensor and actuator networks. This is mainly due to the increased awareness of query processing as the most appropriate computational paradigm for a wide range of sensor network applications, such as environmental monitoring. In this paper we propose a second database technology, namely active rules, that provides a natural computational paradigm for sensor network applications which require reactive behavior, such as ...

3 Special issue: AI in engineering 

 D. Sriram, R. Joobanni

April 1985 **ACM SIGART Bulletin**, Issue 92

Publisher: ACM Press

Full text available:  [pdf\(8.79 MB\)](#) Additional Information: [full citation](#), [abstract](#)

The papers in this special issue were compiled from responses to the announcement in the July 1984 issue of the SIGART newsletter and notices posted over the ARPAnet. The interest being shown in this area is reflected in the sixty papers received from over six countries. About half the papers were received over the computer network.

4 Specification and design of electronic control units 

J. Bortolazzi, T. Hirth, T. Raith

September 1996 **Proceedings of the conference on European design automation**

Publisher: IEEE Computer Society Press

Full text available:  [pdf\(135.86 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

5 An approach for integrated specification and design of real-time systems 

Y. Tanurhan, H. Götz, S. Schmerler, K. Müller-Glaser

September 1996 **Proceedings of the conference on European design automation**

Publisher: IEEE Computer Society Press

Full text available:  [pdf\(68.59 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

6 An approach to intelligent assistance for the specification of ASIC design using objects and rules 

 K. D. Mueller-Glaser, J. Bortolazzi

June 1989 **Proceedings of the 26th ACM/IEEE conference on Design automation**

Publisher: ACM Press

Full text available:  [pdf\(761.55 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The demand for true "system integration" leads to an increasing number of Application Specific Integrated Circuit (ASIC) designs having non-standard electrical and timing input/output characteristics and operating environments. This mandates a computer assistance during the specification phase as well as the management of intermediate and final design results. Furthermore, early and simulation independent consistency checking is necessary to prevent expensive redesigns. This pap ...

7 Exploring team avionics systems by simulation 

Glen A. Brent, Thomas M. McCalla

March 1978 **Proceedings of the 11th annual symposium on Simulation**

Publisher: IEEE Press

Full text available:  [pdf\(778.91 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Simulation is being used to explore configurations of software and hardware in a no-critical-element team architecture. Future General Aviation aircraft avionics is expected to be significantly changed from present day configurations, through the introduction of low cost, highly integrated, powerful microprocessors. It is small, rugged, and lightweight. NASA sponsored simulation is providing proof that the team architecture will work. GASP-PL/I models are used to gain insight into the perfo ...

8 Relating functional schematics to hierarchical mechanical assemblies 

 Sean M. Callahan

May 1997 **Proceedings of the fourth ACM symposium on Solid modeling and applications**

Publisher: ACM Press

Full text available:  [pdf\(1.02 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

9 [AGM: a dataflow database machine](#)



Lubomir Bic, Robert L. Hartmann

March 1989 **ACM Transactions on Database Systems (TODS)**, Volume 14 Issue 1

Publisher: ACM Press

Full text available: [pdf\(2.69 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citings](#), [index terms](#), [review](#)

In recent years, a number of database machines consisting of large numbers of parallel processing elements have been proposed. Unfortunately, there are two main limitations in database processing that prevent a high degree of parallelism; these are the available I/O bandwidth of the underlying storage devices and the concurrency control mechanisms necessary to guarantee data integrity. The main problem with conventional approaches is the lack of a computational model capable of utilizing th ...

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17	BRS	L17	6	703/7.ccls.and control and actuators and sensors and ((3D or (three adj dimension\$3)) same mechan\$4)
18	BRS	L18	37524	((3D or (three adj dimension\$3)) same mechan\$4)
19	BRS	L19	2085	((3D or (three adj dimension\$3)) same mechan\$4) same model
20	BRS	L20	169	(((3D or (three adj dimension\$3)) same mechan\$4) same model) and actuator and sensor

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